

Early Warning and Reporting System (EWARS)

# Weekly Bulletin

(31<sup>st</sup> Epidemiological Week)

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This bulletin includes the updates from the Early Warning Reporting System (EWARS). It includes data since January 2017 till date, including comparison of same period during last year.

## Section 1: The Early Warning and Reporting System (EWARS)

### Highlights

- **Influenza A/ H1N1 Pdm09:** 695 cases of Influenza A H1N1 Pdm09 including 4 deaths have been confirmed since 1 January, 2017. EDCD has requested all the major hospitals (Public, Private and Medical Colleges) of Kathmandu valley to report daily for Influenza Like Illness (ILI) cases.
- **Malaria:** Two cases of Malaria (*Plasmodium vivax*) are reported this week, one each from Mahakali Zonal Hospital, Kanchanpur and Bayalpata Hospital, Achham. The cases are from Kanchanpur and Achham district respectively.
- **Kala-azar:** Four cases of Kala-azar are reported this week, two from BPKIHS, Dharan and one each from Koshi Zonal Hospital, Morang and Kanti Children Hospital, Kathmandu. The cases are from Morang, Siraha, Bhojpur and Dolpa district.
- **Dengue:** One case of Dengue is reported this week from Narayani Sub regional Hospital, Parsa and the case is from Bara district.
- **SARI:** One death from SARI is reported this week from Kanti Children Hospital, Kathmandu and the deceased was from Jhapa district.
- **Scrub Typhus:** 11 cases of Scrub Typhus are reported this week, 10 from United Mission Hospital, Palpa and one from Sukraraj Tropical and Infectious disease Hospital, Teku

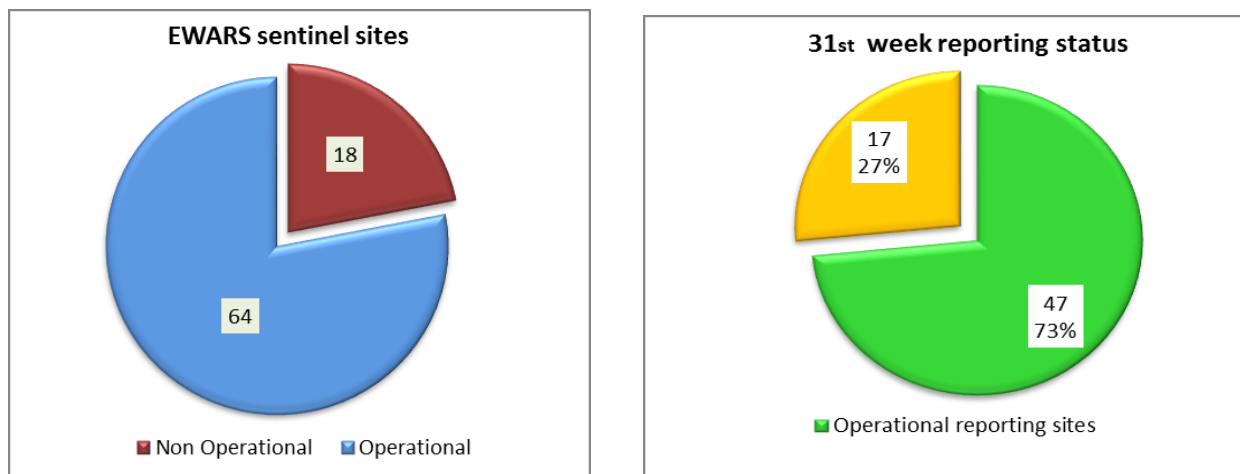
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) can be mobilized at short notice to facilitate prompt outbreak response at Central, Regional and District level. RRTs can also support local level health institutions for investigation and outbreak control activities.

This information system is hospital-based and is currently operational in 64 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar, Dengue, Acute Gastroenteritis (AGE), Cholera and Severe Acute Respiratory Infection (SARI), and other epidemic potential diseases/syndromes (like enteric fever). It equally focuses on **immediate reporting** (to be reported within 24 hours of diagnosis) of one confirmed case of Cholera, Kala-azar severe and complicated Malaria and one suspect/clinical case of Dengue as well as 5 or more cases of AGE and SARI from the same geographical locality in one week period.



## Reporting Status

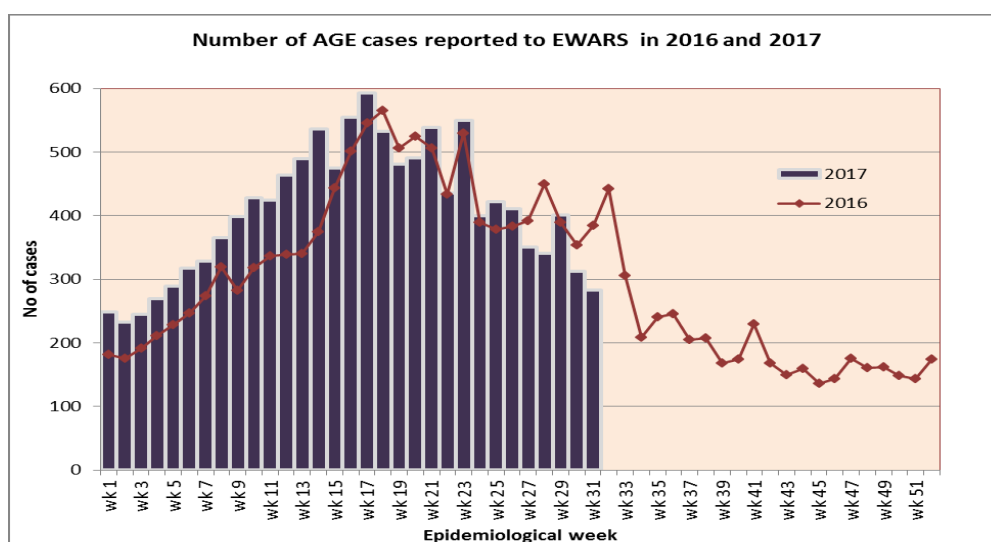
Out of 64 functional EWARS sentinel sites, report was received from 47 sentinel sites (73 percent) whereas 17 sentinel sites did not report in 31<sup>st</sup> Epidemiological week of 2017. The reporting coverage is slightly increased as compared to the previous week.



### 1.1 Acute Gastro-Enteritis and Cholera

283 cases of AGE are reported in 31<sup>st</sup> epidemiological week of 2017. Among 283 cases, the majority of cases are from Parsa (33 cases), Dhanusha (18 cases), Dolakha (15 cases), Bhaktapur (14 cases), Bara (14 cases), Kanchanpur (11 cases), Panchthar (10 cases), Gorkha (10 cases), Kaski (10 cases) and Lamjung (10 cases) district. The number of AGE cases reported in 31<sup>st</sup> week this year did not exceed the number of AGE cases reported in the same week last year (384 cases).

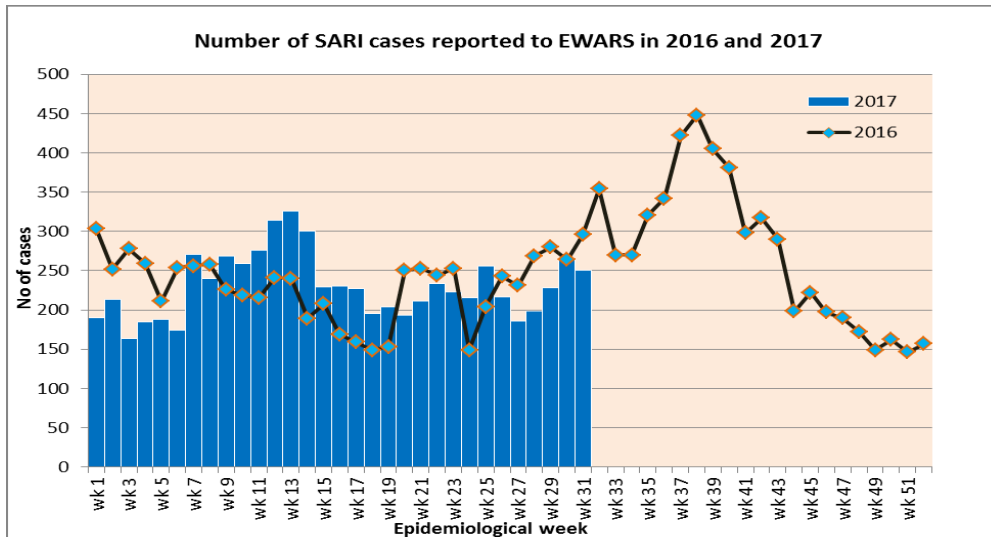
No death from AGE is reported this week. Fourteen deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



## 1.2 Severe Acute Respiratory Infection (SARI)

251 cases of SARI are reported in 31<sup>st</sup> epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (296 cases). Among 251 cases, the majority of cases are from Jhapa (36 cases), Lalitpur (28 cases), Panchthar (17 cases), Rupandehi (17 cases), Morang (16 cases), Parsa (12 cases), Syangja (12 cases), Kathmandu (9 cases) and Dhankuta (7 cases) district.

One death from SARI is reported this week from Kanti Children Hospital, Kathmandu and the deceased was from Jhapa district. Forty eight deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



## 1.3 Enteric Fever

123 cases of Enteric fever are reported this week, including 15 from Tanahun, 13 from Kaski, 11 from Bara, 11 from Parsa, 8 from Dolakha, 7 from Syangja and 7 from Jhapa district. One death from Enteric Fever is reported so far this year.

## 1.4 Malaria

Two cases of Malaria (*Plasmodium vivax*) are reported this week, one each from Mahakali Zonal Hospital, Kanchanpur and Bayalpata Hospital, Achham. The cases are from Kanchanpur and Achham district respectively.

Fifty-one cases of Malaria are reported so far this year. Eighty three cases of Malaria were reported through EWARS in 2016.

## 1.5 Dengue

One case of Dengue is reported this week from Narayani Sub regional Hospital, Parsa and the case is from Bara district. Eleven cases of Dengue are reported so far this year.

## 1.6 Kala-azar

Four cases of Kala-azar are reported this week, two from BPKIHS, Dharan and one each from Koshi Zonal Hospital, Morang and Kanti Children Hospital, Kathmandu. The cases are from Morang, Siraha, Bhojpur and Dolpa district.



## Acknowledgement

The Epidemiology and Disease Control Division highly acknowledges the contribution from all the medical recorders, EWARS focal persons, rapid response team members and support from WHO for preparation of this bulletin.

**Note:** EWARS reporting form (in MS Excel format) is available at EDCD's official website [www.edcd.gov.np](http://www.edcd.gov.np). This bulletin is also available at the website.